

Warm molecules of tea: Molecular outflows in the Teacup Galaxy

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ABSTRACT

Abstract

Key words: keyword1 – keyword2 – keyword3

1 INTRODUCTION

2 OBSERVATIONS AND DATA REDUCTION

We observed J1430+1339 with SINFONI on the Very Large Telescope (VLT). The observations were split into X observing blocks (OBs), the first of which was carried-out on the XX, with the last on the XX. Each OB consisted of XX 300 s on-target integrations, with each on-sky integration followed by a 300 s nod-to-sky to facilitate sky background removal. This gives a total on-target integration time of XX s.

The data from each OB was reduced separately using the standard SINFONI EsoRex pipeline. The output of EsoRex is a bias and flat-corrected, sky-subtracted, wavelength-calibrated datacube. For flux calibration, we observed flux standard stars which were reduced using the same EsoRex pipeline. We wrote our own Python pipeline to flux-calibrate the science datacubes.¹

2.1 Maths

Simple mathematics can be inserted into the flow of the text e.g. $2 \times 3 = 6$ or $v = 220 \text{ km s}^{-1}$, but more complicated expressions should be entered as a numbered equation:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}. \quad (1)$$

Refer back to them as e.g. equation (1).

2.2 Figures and tables

Figures and tables should be placed at logical positions in the text. Don't worry about the exact layout, which will be handled by the publishers.

Figures are referred to as e.g. Fig. ??, and tables as e.g. Table ??.

3 CONCLUSIONS

The last numbered section should briefly summarise what has been done, and describe the final conclusions which the authors draw from their work.

ACKNOWLEDGEMENTS

The Acknowledgements section is not numbered. Here you can thank helpful colleagues, acknowledge funding agencies, telescopes and facilities used etc. Try to keep it short.

REFERENCES

Author A. N., 2013, *Journal of Improbable Astronomy*, 1, 1
Others S., 2012, *Journal of Interesting Stuff*, 17, 198

APPENDIX A: SOME EXTRA MATERIAL

If you want to present additional material which would interrupt the flow of the main paper, it can be placed in an Appendix which appears after the list of references.

This paper has been typeset from a T_EX/L^AT_EX file prepared by the author.

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¹ All our software is available at https://github.com/SheffAGN/SINFONI_outflows.